

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/019357

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L7/04 H04N7/24 H04N5/00 H04N7/66 H04N7/62

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, COMPENDEX, INSPEC, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|---|
| X A | <p>US 5 956 102 A (LANE FRANK A) 21 September 1999 (1999-09-21)</p> <p>abstract</p> <p>column 1, line 1 - column 4, line 6; figures 1,2 column 7, line 36 - column 8, line 39; figure 6 column 10, line 30 - column 13, line 2 ----- -/--</p> | <p>1,2,10, 12,13, 24-29, 31,35-38 3-9,11, 14-23, 30,32-34</p> |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

23 November 2004

Date of mailing of the international search report

03/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Heising, G

INTERNATIONAL SEARCH REPORT

Inter at Application No
PCT/US2004/019357

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|--|
| A | <p>JUAN Y: "ERRONEOUS MPEG PACKET SYNCHRONIZATION IN THE MCNS/SCTE/ITU-T J.83 ANNEX B STANDARD"</p> <p>IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, IEEE INC. NEW YORK, US, vol. 44, no. 3, August 1998 (1998-08), pages 963-968, XP000851606</p> <p>ISSN: 0098-3063</p> <p>abstract</p> <p>page 964, left-hand column, paragraph 1</p> <p>page 966, left-hand column, paragraph 1 - right-hand column, paragraph 3</p> <p>page 967, left-hand column, line 20 - page 968, left-hand column, paragraph 4</p> <p>-----</p> | 1-38 |
| A | <p>"Digital Video Broadcasting (DVB); Measurement guidelines for DVB systems; ETSI TR 101 290"</p> <p>ETSI STANDARDS, EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE, SOPHIA-ANTIPO, FR, vol. BC, no. V121, May 2001 (2001-05), XP014004824</p> <p>ISSN: 0000-0001</p> <p>page 16, line 1 - page 24, last line</p> <p>-----</p> | 1-38 |
| A | <p>"Digital multi-programme systems for television, sound and data services for cable distribution"</p> <p>ITU-T RECOMMENDATION J.83, April 1997 (1997-04), pages 1-66, XP002246522</p> <p>cited in the application</p> <p>page 14, paragraph 1 - page 20, paragraph 1</p> <p>-----</p> | 1-38 |
| X,P | <p>US 2004/030967 A1 (WALLS FREDERICK G ET AL) 12 February 2004 (2004-02-12)</p> <p>-----</p> | 1-4, 8, 11-15, 18, 19, 21, 24, 26-32, 34, 37, 38 |
| A,P | <p>abstract</p> <p>-----</p> <p>paragraph '0044! - paragraph '0054!</p> <p>-----</p> <p>-/--</p> | 5-7, 9, 10, 16, 17, 20, 22, 23, 25, 33, 35, 36 |

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/019357

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|--|
| X,P A,P | <p>EP 1 389 849 A (BROADCOM CORP) 18 February 2004 (2004-02-18) abstract</p> <p>column 6, line 18 - column 8, line 14; figures 1,2,7</p> <p>-----</p> | <p>12,24</p> <p>1-11, 13-23, 25-38</p> |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International

Application No

PCT/US2004/019357

| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
|---|----|---------------------|----|----------------------------|--|---------------------|
| US 5956102 | A | 21-09-1999 | JP | 11252062 A | | 17-09-1999 |
| US 2004030967 | A1 | 12-02-2004 | US | 2004030966 A1 | | 12-02-2004 |
| | | | EP | 1389849 A1 | | 18-02-2004 |
| EP 1389849 | A | 18-02-2004 | US | 2004030966 A1 | | 12-02-2004 |
| | | | EP | 1389849 A1 | | 18-02-2004 |
| | | | US | 2004030967 A1 | | 12-02-2004 |